



Global environmental change and population health: Progress and challenges

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Abstract:

Escalating global environmental change (GEC) over the past century has been driven largely by rapid industrialization, population growth, overconsumption of natural resources, and associated waste disposal challenges, as well as the inappropriate uses of technology. These changes are already having and will increasingly continue to have significant impacts on human health and well-being. How to tackle these issues is an important challenge to scientists, policy-makers, and the general public. Scientific consensus now exists that GEC and population health are linked, even though the details and mechanisms underlying this link remain to be both explicated and quantified. In this article we provide an overview of progress and challenges in the area of GEC and population health since the late 1980s, highlighting some of the main landmarks in this area and recommending directions for future research.

Source: Ask your librarian to help locate this item.

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Human Conflict/Displacement, Indoor Environment, Precipitation, Sea Level Rise, Temperature

Air Pollution: Allergens

Extreme Weather Event: Flooding, Hurricanes/Cyclones

Food/Water Quality: Other Water Quality Issue

Water Quality (other): Ocean acidity; Ocean temperature

Food/Water Security: Fisheries, Food Access/Distribution, Nutritional Quality

Temperature: Extreme Heat, Fluctuations

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

Climate Change and Human Health Literature Portal

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Cancer, Developmental Effect, Infectious Disease, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect

Developmental Effect: Cognitive/Neurological

Infectious Disease: Foodborne/Waterborne Disease, General Infectious Disease, Vectorborne Disease

Foodborne/Waterborne Disease: General Foodborne/Waterborne Disease, Other Diarrheal Disease

Vectorborne Disease: General Vectorborne, Mosquito-borne Disease

Mosquito-borne Disease: Dengue, Malaria

Mental Health Effect/Stress: Other Mental Disorder

Respiratory Effect: Asthma, Bronchitis/Pneumonia, Chronic Obstructive Pulmonary Disease, Upper Respiratory Allergy

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type:

format or standard characteristic of resource

Review

Timescale:

time period studied

Time Scale Unspecified